

**IN THE CLAIMS:**

1. (Original) An interactive remote drug dose and physiologic response monitoring system in a patient wherein at least one IMD is adapted to communicate with a drug delivery device, the monitoring system comprising:
  - a drug delivery device; and
  - an IMD in wireless communications with the drug delivery device,wherein the IMD is implanted in a patient under a prescriptive regimen to take a drug from the drug delivery device and the IMD monitors the patient's physiological signs for compliance with a prescriptive regimen, and checks drug interaction in the patient.
2. (Original) The system of claim 1, wherein the delivery device is chosen from one of the following: a pill box, a transdermal patch, a IV, an inhaler, an oral medicament dispenser, a subcutaneous implant, a drug pump, or a transcutaneous application.
3. (Original) A drug delivery monitoring system comprising:
  - means for monitoring parameters of a drug delivery device;
  - means for communicating the monitored parameters with an IMD;
  - means for processing the monitored parameters;
  - means for controlling the drug delivery device based on the processing of the sensed parameters.
4. (Original) The system of claim 3, further comprising:
  - means for sensing physiological parameters through the IMD;
  - means for processing the sensed physiological parameters relative to a drug delivered by the drug delivery system; and
  - means for controlling the drug delivery system in response to the processing of the sensed physiological parameters.

5. (Original) The system of claim 3, further comprising means for controlling a therapy delivered by the IMD based upon the means for processing the monitored parameters.

6. (Original) An implantable medical device comprising:  
a microprocessor for controlling cardiac therapy parameters;  
a lead for delivering electrical stimulation to cardiac tissue; and  
a telemetry unit for receiving information from a drug delivery device,  
the information identifying whether an expected drug therapy is delivered,  
wherein the microprocessor varies the cardiac therapy delivery through the lead based upon the information.

7. – 40. (Withdrawn)

41. (New) An interactive remote drug dose and physiologic response monitoring system in a patient wherein at least one IMD is adapted to communicate with a drug delivery device, the monitoring system comprising:  
a drug delivery device; and  
an IMD in wireless communications with the drug delivery device, wherein the IMD is implanted in a patient under a prescriptive regimen to take a drug from the drug delivery device and the IMD monitors the administration of the drug by the drug delivery device for compliance with a prescriptive regimen, and checks drug interaction in the patient.